

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400
Facsimile: (703) 836-2787

Attorney Docket No.: 116391

Date: June 30, 2003

MAIL STOP PATENT APPLICATION

Customer Number: 25944

NONPROVISIONAL APPLICATION TRANSMITTAL
RULE §1.53(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title): METHOD FOR MEASURING DIFFUSION COEFFICIENT IN CONDUCTIVE MELTS,
AND APPARATUS FOR MEASURING THE SAME

By (Inventors): Yuko INATOMI, Kazuhiko KURIBAYASHI

- ☒ Formal drawings (Figs. 1-2; 2 sheets) are attached.
☐ Use Figure _____ for front page of Publication.
☐ A Declaration and Power of Attorney is filed herewith.
☐ This application claims benefit of Provisional Application No. _____ filed _____.
 (A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.)
☒ This patent application is assigned to The Institute of Space and Astronautical Science.
☐ The executed Assignment is filed herewith.
☐ An Information Disclosure Statement is filed herewith.
☒ Entitlement to small entity status is hereby asserted.
☒ A Preliminary Amendment is filed herewith.
☒ Priority of foreign application(s) No. 2002-367056 filed December 18, 2002 in Japan is claimed (35 U.S.C. §119).
☒ A certified copy of the above corresponding foreign application(s) is filed herewith.
☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
☒ The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF
ANY PRELIMINARY AMENDMENT NOTED ABOVE

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	14 - 20	= *0
INDEP CLAIMS	2 - 3	= *0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

* If the difference is less than zero, enter "0".

SMALL ENTITY

RATE	FEE
	\$ 375
x 9 =	\$
x 42 =	\$
+ 140 =	\$
TOTAL	\$ 375

OTHER THAN A
SMALL ENTITY

RATE	FEE
	\$ 750
x 18	\$
x 84	\$
+ 280	\$
TOTAL	\$

- ☒ Check No. 143670 in the amount of \$375 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

James A. Oliff
Registration No. 27,075

Joel S. Armstrong
Registration No. 36,430